

## DATA REQUIREMENTS LIST (DRL)

TITLE OF CONTRACT, PRODUCT, SOW, ETC. CONFORMAL ABLATIVE TPS MANUFACTURING SCALE-UP-2	CONTRACT/RFP NO. NNA13485427Q-AMD	DRL DATE/MOD DATE 8/27/2013
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1. LINE ITEM NO. 1	2. DRL TITLE PRELIMINARY DRAFT MANUFACTURING DATA BOOK	3. FREQUENCY See Remarks	4. SUBMISSION DATE See Remarks	5. COPIES See Distribution
6. DATA TYPE: <input checked="" type="checkbox"/> Scheduled submittal <input type="checkbox"/> Submittal upon request <input type="checkbox"/> Submitted upon update <input type="checkbox"/> Gov't Approval Required				
7. DISTRIBUTION Contracting Officer (CO) Contracting Officer's Representative (COR) Code TBD, M/S TBD		8. REMARKS REFERENCE: DATA REQUIREMENT DR-001A, Statement of Work  The Manufacturing Data Book captures, for the Government, a clear and comprehensive summary documenting the approach the contractor develops to execute the manufacture of conformal ablative TPS in sections ~1-meter diameter. The data book shall cover each step that is necessary in the processing, handling, machining, etc. of all TPS materials and MDU components. Due date: see contract Section F.4		

1. LINE ITEM NO. 2	2. DRL TITLE FINAL MANUFACTURING DATA BOOK	3. FREQUENCY See Remarks	4. SUBMISSION DATE See Remarks	5. COPIES See Distribution
6. DATA TYPE: <input checked="" type="checkbox"/> Scheduled submittal <input type="checkbox"/> Submittal upon request <input type="checkbox"/> Submitted upon update <input type="checkbox"/> Gov't Approval Required				
7. DISTRIBUTION Contracting Officer (CO) Contracting Officer's Representative (COR) Code TBD, M/S TBD		8. REMARKS REFERENCE: DATA REQUIREMENT DR-001B, Statement of Work  The Manufacturing Data Book captures, for the Government, a clear and comprehensive summary documenting the approach the contractor develops to execute the manufacture of conformal ablative TPS in sections ~1-meter diameter. The data book shall cover each step that is necessary in the processing, handling, machining, etc. of all TPS materials and MDU components. Due date: see contract Section F.4		

1. LINE ITEM NO. 3	2. DRL TITLE CONFORMAL TPS MATERIAL PROPERTIES (OPTION ITEM 008, TO BE EXERCISED BY CONTRACT MODIFICATION)	3. FREQUENCY See Remarks	4. SUBMISSION DATE See Remarks	5. COPIES See Distribution
6. DATA TYPE: <input checked="" type="checkbox"/> Scheduled submittal <input type="checkbox"/> Submittal upon request <input type="checkbox"/> Submitted upon update <input type="checkbox"/> Gov't Approval Required				
7. DISTRIBUTION Contracting Officer (CO) Contracting Officer's Representative (COR) Code TBD, M/S TBD		8. REMARKS REFERENCE: DATA REQUIREMENT DR-002, Statement of Work  TPS material properties are used in the development of thermal response models for TPS sizing and heatshield design. If this optional DR-002 is exercised, the contractor shall provide testing and a subsequent test report summarizing the results of the material property evaluation of the contractor-supplied conformal TPS manufactured under this contract.  Due date: see contract Section F.4		

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1. LINE ITEM NO.	2. DRL TITLE	3. FREQUENCY	4. SUBMISSION DATE	5. COPIES
4	Patent Rights—Retention by the Contractor (Short Form) or New Technology Report	Annual	See Remarks	See Distribution
	6. DATA TYPE: <input checked="" type="checkbox"/> Scheduled submittal <input type="checkbox"/> Submittal upon request <input type="checkbox"/> Submitted upon update <input type="checkbox"/> Gov't Approval Required			
	7. DISTRIBUTION  Contracting Officer (CO) Contracting Officer's Representative (COR) Code TBD, M/S TBD  New Technology Report Only: New Technology Representative, Code VP, M/S 202A-3 (original)  Patent Rights—Retention by the Contractor (Short Form) Only: Code DL, M/S 202A-4 (original)	8. REMARKS  The Contractor shall submit Patent Rights—Retention by the Contractor (Short Form) or New Technology Report in accordance with FAR clause 52.227-11, Patent Rights-Retention by the Contractor (Short Form) as modified by NFS clause 1852.227-11, NFS 1852.227-70, New Technology and NFS clause 1852.227-72, Designation of New Technology Representative and Patent Representative.  Interim reports shall be submitted annually. A final report shall be submitted listing all reportable items (or certifying that there were no such reportable items), and listing all subcontracts at any tier containing a patent rights clause (or certifying that there were no such subcontracts).  Electronic submission via NASA's Electronic New Technology Reporting (eNTRe) website at <a href="http://invention.nasa.gov/">http://invention.nasa.gov/</a> is highly encouraged. For hard copy submittals, NASA Form 1679, Disclosure of Invention and New Technology (Including Software) may also be used.  For questions about preparation of this report, contact the ARC Help Desk POC listed at the eNTRe website.  Send email notification to the recipients below when reports are filed via the website.		

1. LINE ITEM NO.	2. DRL TITLE	3. FREQUENCY	4. SUBMISSION DATE	5. COPIES
5	Material Inspection and Receiving Report (DD Form 250)	See Remarks	See Remarks	See Distribution
	6. DATA TYPE: <input checked="" type="checkbox"/> Scheduled submittal <input type="checkbox"/> Submittal upon request <input type="checkbox"/> Submitted upon update <input type="checkbox"/> Gov't Approval Required			
	7. DISTRIBUTION  Submitted with each contract deliverable, per NFS 1852.246-72	8. REMARKS  In accordance with contract clause, Section E.3, NFS clause 1852.246-72 Material Inspection and Receiving Report. (AUG 2003)		